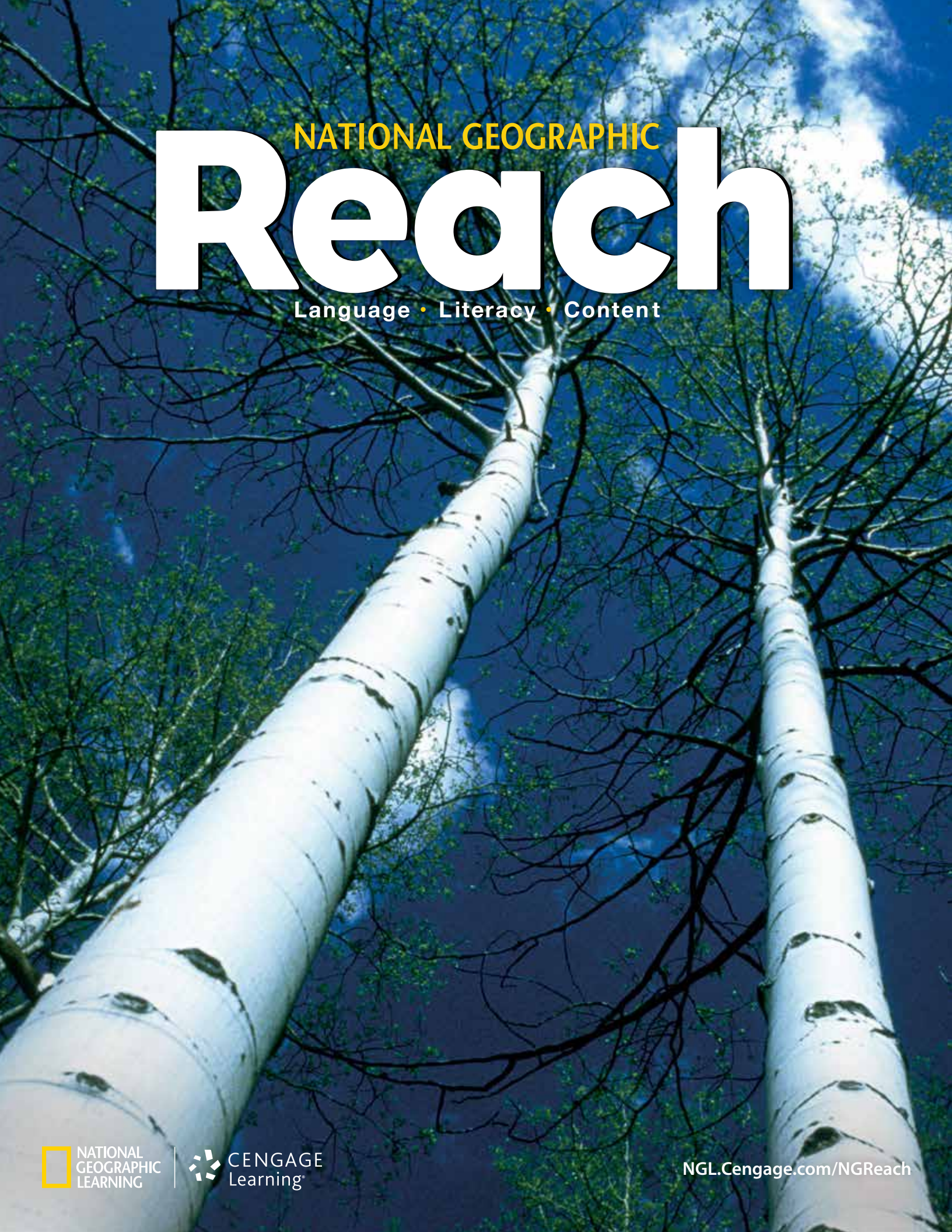




NATIONAL GEOGRAPHIC Reach

Language • Literacy • Content

Here's what Teachers have to say about *Reach*:

"The academic language frames in **Reach** have made a tremendous difference. Now I hear the children using academic language with complete sentences and appropriate grammar."

"**Reach** is high-interest and sophisticated. It helps children reach that higher-level thinking that many of them struggle with."

"Throughout the year my **Reach** students' desire to read has increased. They have become better readers—based on their test scores—and their comprehension and fluency scores have gone up."

"**Reach** allows me to target instruction at my students' instructional level. We can talk about things that we learned in whole group with materials that are at their instructional level."

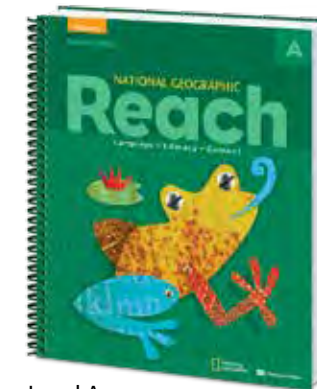
"**Reach** gives students the higher order critical thinking skills they need to succeed."

Front cover: Quaking Aspen (*Populus tremuloides*) is the most widely dispersed tree in North America. Groves of quaking aspen are really the stems of one of the Earth's largest living organisms. Thousands of quaking aspen trees that are genetically identical to each other can be joined underground by a single root network that can continue to reproduce and live for hundreds if not thousands of years. – Livescience.com

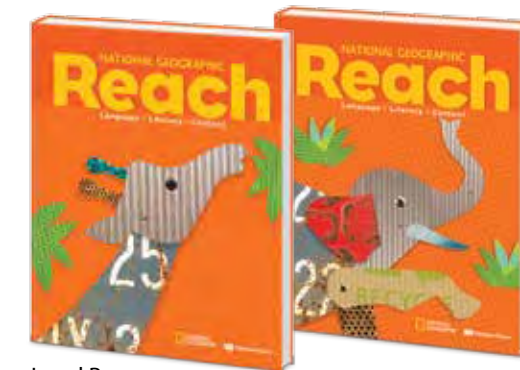
NATIONAL GEOGRAPHIC **Reach** Language • Literacy • Content

The next generation of language, vocabulary, reading, writing, and content for English language learners is within **Reach**.

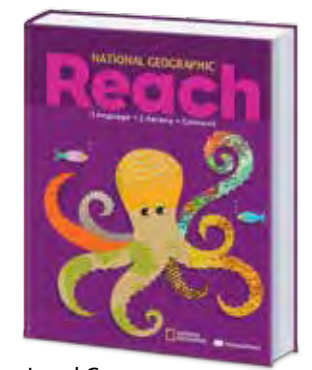
- Engages students with multicultural, rich literature and *National Geographic* exclusives that increase content knowledge and make connections.
- Builds language, reading, writing, and vocabulary through engaging *National Geographic* science and social studies content and authentic literature.
- Differentiates and scaffolds skills and strategies for multiple language proficiency and reading levels to move English learners to independence.



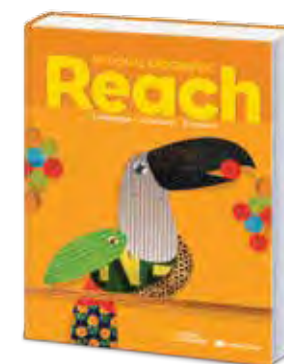
Level A



Level B



Level C



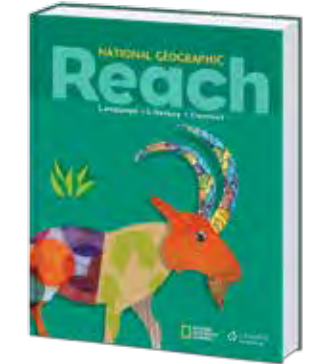
Level D



Level E



Level F



Level G

Teacher Resources

Flexible resources enable teachers to tailor instruction to student needs, instructional time, standards, and objectives.

Teacher Editions



Kindergarten

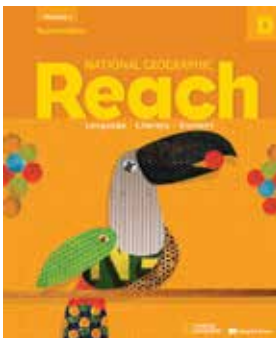


Grade 1



Grade 2

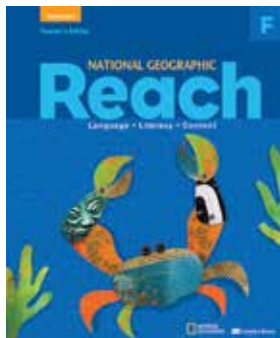
2
Teacher Editions
at each grade
provide 8 units of
theme-based
instruction



Grade 3



Grade 4



Grade 5



Grade 6

Phonics



Grade K

- Lap Books
- Big Book
- Phonics Stories
- Picture Cards
- Skills Practice
- Finger Puppet
- Teacher's Edition



Grade 1

- Sing with Me Phonics Songs
- Sound/Spelling Cards
- Phonics Picture Cards
- Read on Your Own decodable books
- Practice Masters
- Teacher's Edition



Grade 2



Grades 3–5

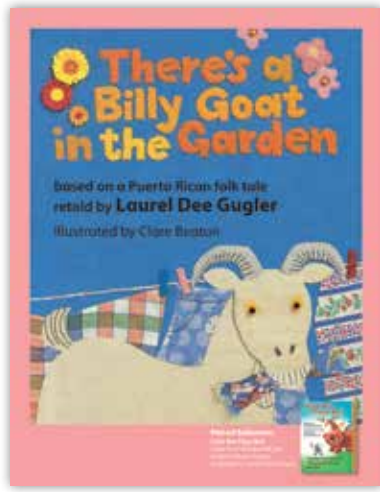


Grade 2

**Newcomer
Support!**



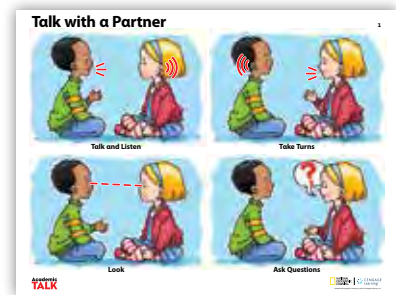
Language Songs Big Books, K–5



Read with Me Big Books, K–2



Kindergarten Read Aloud Trade Books



Academic Talk Posters, Grade K



Academic Talk
Flipchart, Grades 1–2



Academic Talk
Flipchart, Grades 3–6



Language Builder
Picture Cards, K–5

Technology NGReach.com



Online Student Resources



Online Lesson Planner

Build Your Plan

The Online Lesson Planner allows you to easily create or customize plans and also includes a variety of ready-to-go plans.

Student Resources

Student resources include engaging anthologies, meaningful practice, and authentic text to increase reading, writing, and content.

Student Editions



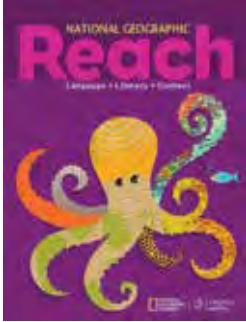
Grade 1, two volumes



Grade 3



Grade 4



Grade 2



Grade 5



Grade 6



Teamwork Activities, Flipchart, Kindergarten



Cross Curricular Flipchart, Grades 1–6



Language and Literacy Flipchart, Grades 1–6



Talk Together Wordless Books (8 titles), K



Talk Together Label Books (8 titles), K



Read On Your Own Books

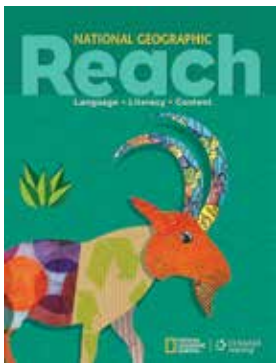


Kindergarten



Practice Books

- K–6
- Vocabulary support
- Graphic organizers
- Comprehension
- Fluency
- Writing to Sources



Fiction Libraries, 1–6, (Grade 4 shown)



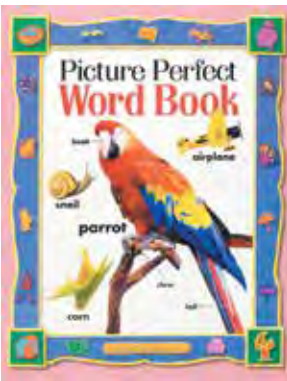
Nonfiction Library, 1–6, (Grade 4 shown)



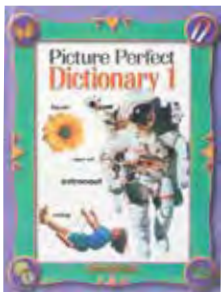
Explorer Books, 3–6



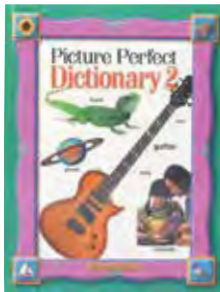
Vocabulary Builder Manipulatives and Scenes, Grade K



Picture Perfect Word Big Book, Grade K



Picture Perfect Dictionary 1, Grades 1–2



Picture Perfect Dictionary 2, Grades 3–6

Instructional Flexibility

National Geographic Reach has been designed to enable you to tailor instruction to match your specific curriculum objectives, class setting, and the needs of your students.

Differentiated by language proficiency and reading levels to ensure success for all students with flexible teaching plans.

20-, 30-, 40-, 60-, and 90-minute pre-made plans as well as language or content lesson plans

Build Your Plan

The Online Lesson Planner allows you to easily create or customize plans and also includes a variety of ready-to-go plans.

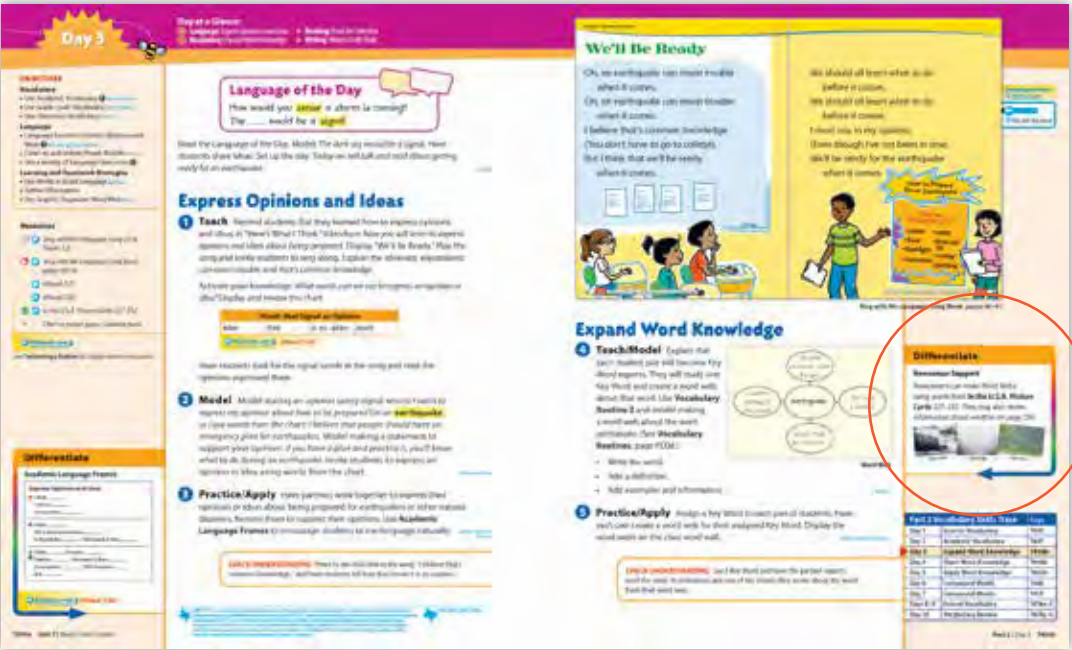


Clear Construction

- Week-at-a-glance planners clearly identify instructional activities by program strand
- Stated time allotments aid modification decisions

Focused Lesson Design

- Clearly identified objectives and tested skills inform instructional decisions
- Lessons are built to function in isolation or in the program's sequential path



Substantive Differentiated Instruction

- Multi-level strategies within lessons support students at varying proficiency levels
- Print and online materials offer multiple learning pathways to making content comprehensible

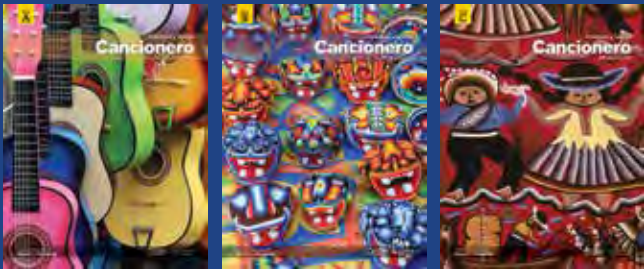


Fiction and nonfiction leveled libraries ensure various texts for multiple language and reading levels

Canciones y cuentos

Spanish Reading Foundations Program, K-2

Captivate children's imaginations with songs and stories



Level A

Level B

Level C

Help students develop Spanish literacy or transition into English literacy through

- Engaging decodable books
- Print and digital resources
- Songs to develop phonemic awareness
- Memorable rhymes to increase fluency
- Explicit, proven instruction

Canciones y cuentos

is *Reach's* companion Spanish program for dual language classrooms or students in need of a strong reading foundation in Spanish.

For more information:
NGL.Cengage.com/CYC

Multicultural, Rich Literature

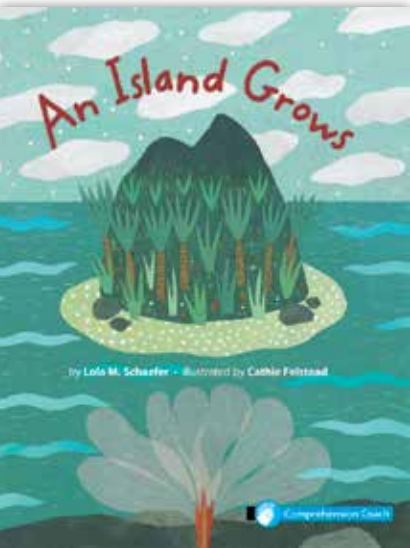
Literature and Informational Texts

Authentic, multicultural literature and exclusive *National Geographic* informational texts promote engagement for all students.

Student Anthology

4–week units, built around science or social studies topics, build connections and and increase content knowledge through authentic literature, various genres and opportunities for collaboration.

Fiction



Level D Student Anthology



Level D Student Anthology

Nonfiction



Level B Student Anthology



Level B Student Anthology

Leveled Libraries

- Motivating texts provide award-winning authentic fiction and nonfiction reading opportunities for students at every reading level.
- Complete guided reading lessons and practice are available for each title.
- Organization around content themes allows students to connect ideas across texts in group discussions.



Fiction

BEGINNING LEVEL

Lexile® AD240L

Key Words

Frog Girl
by Paul Owen Lewis

• **Genre:** Folktale

The chief's daughter goes under the lake and meets the frog people, and then saves them from a volcano's eruption.

blanket
frog
lake
smoke
village

INTERMEDIATE LEVEL

Lexile® 540L

Key Words

The Cornfield Volcano
by Audie Lee

• **Genre:** Historical Fiction

Antonio and Dominica are walking in the cornfields one day when they see lava flowing out of the earth. A new volcano is erupting in their town!

crack
crust
erupt
lava
volcano

ADVANCED

ADVANCED HIGH LEVELS

Lexile® 700L

Key Words

The Eruption of Mount St. Helens
by Rebecca L. Johnson

• **Genre:** Historical Fiction

In this chapter book, Helen and her family witness the massive 1980 eruption of Mount St. Helens.

earthquake
fisherman
magma
scientist
valley

Level D Fiction Leveled Library Sample

Nonfiction

BEGINNING LEVEL

Lexile® 150L

Key Words

The Birth of an Island
by Barbara Wood

• **Genre:** Expository Nonfiction

Simple text and ample visual support illustrate how volcanoes under the ocean can form islands.

boils
crack
growing
islands
ocean

INTERMEDIATE LEVEL

Lexile® 640L

Key Words

Mountains of Fire
by Lily Richardson

• **Genre:** Expository Nonfiction

How do volcanoes form? This book provides a detailed explanation of the process in simple language.

crust
layers
mantle
melted
surface

ADVANCED

ADVANCED HIGH LEVELS

Lexile® 590L

Key Words

Volcanoes
by Franklyn M. Branley

• **Genre:** Expository Nonfiction

Using diagrams, illustrations, and examples of real volcanic eruptions, this informative book explains how volcanoes form and what happens when they erupt.

active
eruption
exploded
pressure
region

Level D Nonfiction Leveled Library Sample

Explorer Book Collection

Students can read the same *National Geographic* science or social studies content at two different reading levels.



Level D Explorer Book, Pioneer Edition



Level D Explorer Book, Pathfinder Edition

Oral Language and Vocabulary

Language Development

Lessons provide English language learners with a robust and interactive environment to acquire and expand language.

Develop Oral Language

Language of the Day builds proficiency day by day

Language Function Lessons with step-by-step “How to” instructions

Academic Language Frames provide support for learning language structures

Day 1

Day at a Glance:
Language: Tell an Original Story
Vocabulary: Science Vocabulary
Reading: Imagery
Writing: Writing Fluency

OBJECTIVES
Vocabulary
• Acquire and Use Grade-Level Vocabulary
Language
• Language Function: Tell an Original Story
• Listen to and Imitate Fluent Models
• Use a Variety of Sentence Lengths
• Participate in Discussion
Learning and Teamwork Strategies
• Activate Prior Knowledge
• Use Media to Build Language
• Use Context to Build Concepts and

Resources
• Sing with Me Language Song Book page 36
• Sing with Me Language Song MP3
• eVisual 7.2
• eVisual 7.3
• Academic Talk Flip chart
• Key Word Images
• [NGReach.com](#)
See **Technology Station** for digital student resources.

Language of the Day
What do you know about volcanoes?
I know _____.

Read the Language of the Day. Model: *I know that volcanoes can be in the ocean or on land. Make a word web for volcanoes on the board and add students' information. Then explain that today students will listen, speak, and write more about volcanoes.*

Tell an Original Story
1 Teach/Model Display “A Scary Ride.” Read the introduction aloud and play the poem. Invite students to say the poem as you play it a second time. Model how to echo and chime in as the audio prompts. Point out the **Language Frames** and model telling an original story.

How to Tell an Original Story

1. Tell who the story is about.	It is about a girl named Inez.
2. Tell when and where it happens.	It happens in July on an island.
3. Tell about a problem your character has. Tell what happens first and then what happens next.	First, Inez builds a sand castle on the beach. Then, a big wave comes and washes the sand castle away.
4. Tell how the story ends.	Finally, Inez builds another sand castle. She takes a picture of it before a wave washes it away.

2 Practice/Apply Have students tell an original story about the pictures they made in Share What You Know (page 413). Use **Academic Language Frames** to encourage students to use language naturally. Display and use page 41 of **Academic Talk** to provide additional language support for students at all levels.

CHECK UNDERSTANDING Ask students to use **Academic Language Frames** to retell the story “A Scary Ride.”

Differentiate
Academic Language Frames
Tell an Original Story
This story is about _____.
It happens _____.
First, _____.
Then, _____.
Finally, _____.
This story is about _____.
It happens _____.
First, _____.
Then, _____.
Finally, _____.
[NGReach.com](#) [eVisual 7.3](#)

T414 Unit 7 | Blast! Crash! Splash!

Level D Teacher's Edition

Going beyond story words, *National Geographic Reach* targets content and academic vocabulary through visual and text support, making high utility vocabulary accessible to English language learners.

Build Vocabulary

Build Background

Visual and Text Supports assist students in building background for content knowledge

Content and Academic Vocabulary

Vocabulary Routines accelerate acquisition of grade-level content and academic vocabulary

Spanish Cognates

build connections to students' home language

Listening and Speaking

Talk Together Activities build students' confidence with using new vocabulary

Language
Tell an Original Story
Listen to Jenny's poem. Then use **Language Frames** to tell a story of your own.

A Scary Ride
This story is about a boy with truly unruly hair. It happens in a hot volcano. You wouldn't think he'd dare!

First, he rides his tiny red cart down tunnels long and deep. Soon, bubbling magma, thick as mud, begins to warm his feet. Then, suddenly the place erupts! Upward shoots his cart. Bump! He lands—back on track, in an amusement park.

Science Vocabulary
Key Words
Look at this diagram. Use **Key Words** and other words to talk about what happens when a volcano erupts.

1. Magma, or liquid rock, pushes up.
2. Lava flows out.
3. Lava cools in the ocean. Over time, this can form islands.
4. Type Together

With a partner, tell an original story about forces that change something on Earth. Who is the story about? Where does it happen? Use **Language Frames** from page 414 and **Key Words**.

Science Vocabulary
3 Teach/Model Read the introduction and work through the diagram. Use **Vocabulary Routine 1** (see page PD37) and **Key Word Images** to teach the words. Access definitions on pages 604–627.

1. **Pronounce** the word and point to the part of the diagram that illustrates it: **erupt**.
2. **Rate** the word. Have students hold up their fingers to show how well they know the word. (1 = very well, 2 = a little, 3 = not at all) Ask: *What do you know about this word?*
3. **Define** the word: When something erupts, it suddenly explodes.
4. **Elaborate** by relating the word to your experience: I watched a geyser erupt and spray water hundreds of feet into the air!

4 Practice/Apply Have partners take turns repeating the routine for each Key Word, using complete sentences for routine steps 2, 3, and 4.

5 Talk Together About the Big Question
Check Understanding and Connect Concepts Review the **Language Frames** on page 414 and provide an example of an original story:
This story is about a boy and a volcano. It happens in Hawaii many years ago. First, the boy feels the ground rumble. Then, he sees smoke come out of the mountain. He knows the volcano will soon erupt.
Add students' ideas to the unit concept map.

Differentiate
Spanish Cognates
island/isla
lava/lava
magma/magma
ocean/océano
rock/roca
volcano/volcán

Part 1 Vocabulary Skills Trace

Day	Science Vocabulary	Page
Day 1	Science Vocabulary	T415
Day 2	Academic Vocabulary	T417
Day 3	Expand Word Knowledge	T420b
Day 4	Share Word Knowledge	T434b
Day 5	Apply Word Knowledge	T435b
Day 6	Greek and Latin Roots	T436
Day 7	Greek and Latin Roots	T443
Days 8–9	Extend Vocabulary	T444c–f
Day 10	Vocabulary Review	T444g–h

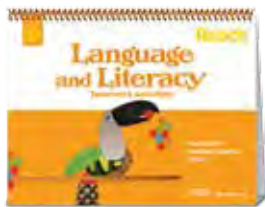
Part 1 | Day 1 T415

Level D Teacher's Edition

Additional Resources for Language and Vocabulary Development



Academic Talk Language Frames develop academic language in a small group setting



Language and Literacy Teamwork Activities boost language learning in centers



Sing with Me Language Songs create risk-free environments for trying out new language



Language Builder Picture Cards and **Build Background Videos** help students build vocabulary knowledge



Online Vocabulary Games enhance the acquisition of language and vocabulary

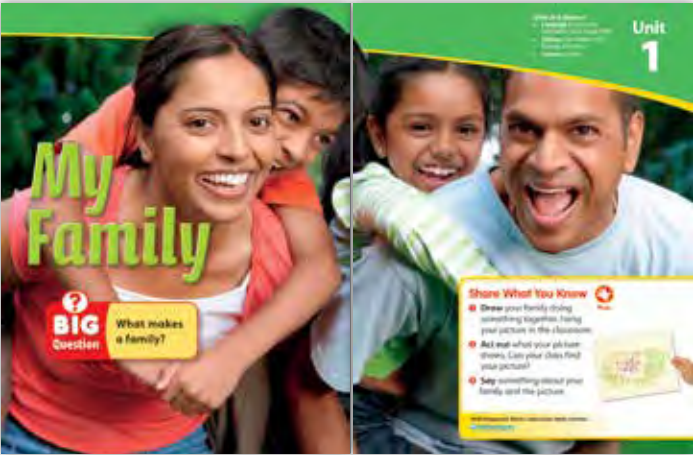
Preparing for the Common Core

Challenge Students for Success

Instruction and resources help students prepare to meet the demands of the Common Core State Standards.

Academic Discussions and Collaborative Conversations

- The Big Question provides a thematic focus and helps students make connections throughout each unit.
- Ongoing dialog with a range of discussions about the text and the Big Question encourages students to engage with content, share experiences, exchange cultural perspectives, and create meaning.



Level B Student Anthology



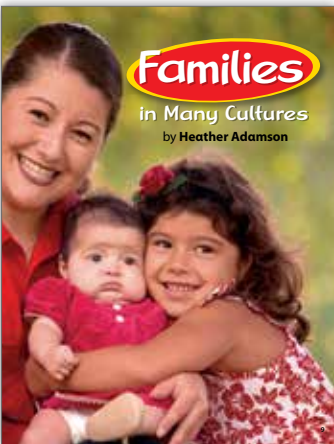
Build Background Video

NATIONAL GEOGRAPHIC™

National Geographic videos build background and promote academic discussions

Content Knowledge

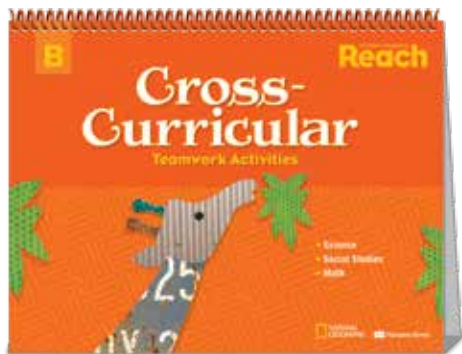
- Paired fiction and nonfiction selections inspire learning and discovery across a range of topics that are consistent with science and social studies content.
- Exclusive *National Geographic* nonfiction selections motivate and prepare students for reading in the content areas.
- Hands-on content activities build background knowledge and understanding in centers.



Level B Student Anthology



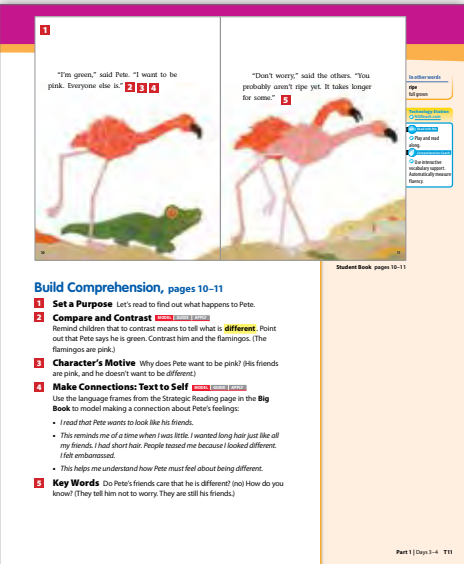
Level B Student Anthology



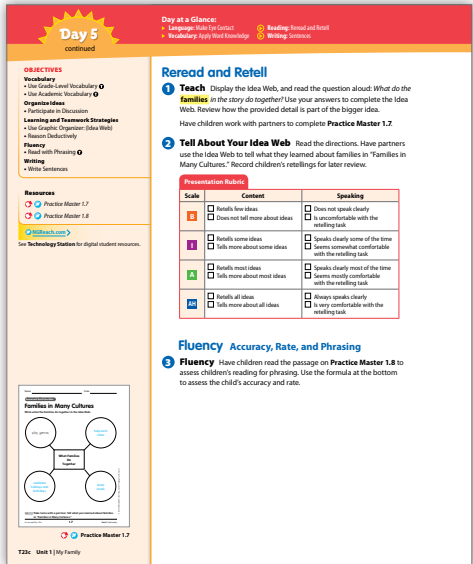
Level B Cross-Curricular Teamwork Activities

Repeated Readings and Text Dependent Questioning

- Reading of selections at a range of reading levels allows students to make meaningful connections with texts.
- Students read texts closely, analyzing and discussing literary elements, text evidence, and language.
- Multiple interactions with selections allow students to demonstrate their literal and inferential comprehension.



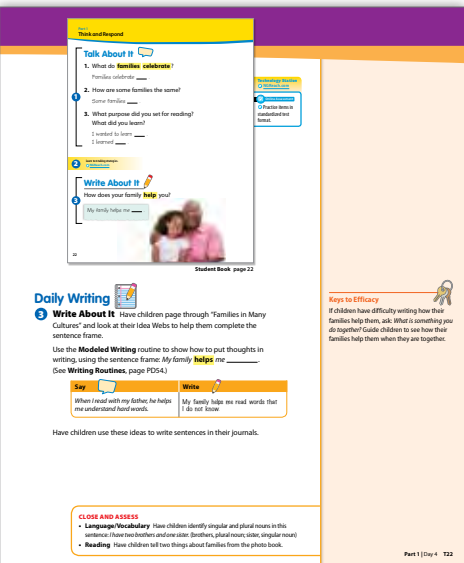
Level B Teacher's Edition



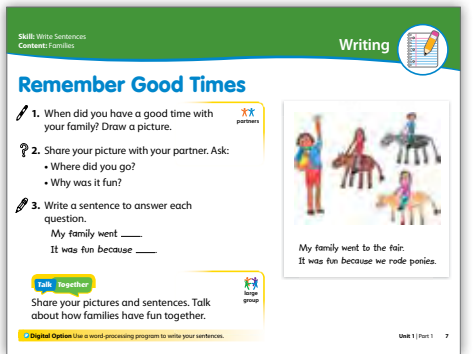
Level B Teacher's Edition

Speaking and Writing about Reading

- Text-centered activities develop students' ability to express ideas and build confidence as speakers and writers.
- Daily text-based speaking and writing activities help students respond to the text orally and in writing, confirm comprehension, and engage in deeper analysis of selections.
- Students write to explain ideas.



Level B Teacher's Edition



Level B Language and Literacy Teamwork Activities



Scaffolds for Multiple Language Proficiency Levels

Support for English Language Learners

Set high expectations for all students with instructional materials and tools that provide equal access to learning. Frequent and varied supports meet the needs of all students.



Level D Student Anthology

On-Page Reading Support

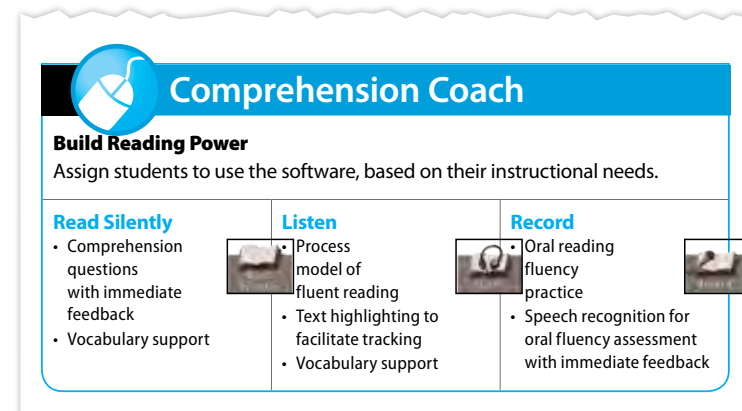
- Selections are divided into manageable chunks with frequent comprehension checks.
- Highlighted key vocabulary and on-page assistance for idioms and other difficult words keep students focused and moving through the reading.

Before You Move On Questions

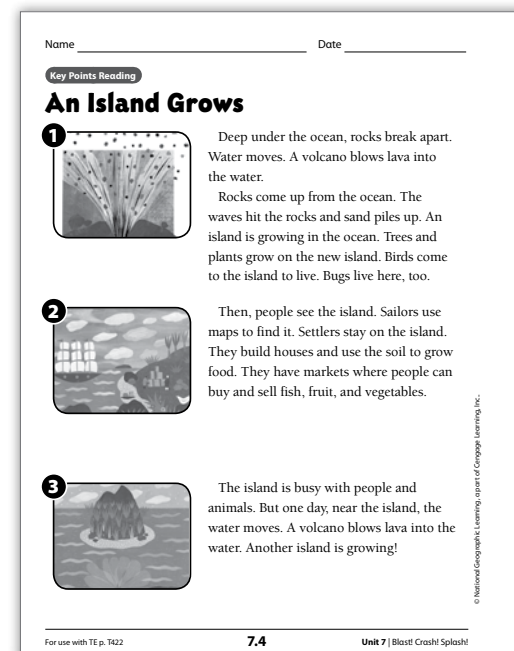
In Other Words

Pre-Reading Support

Print and online materials offer multiple learning pathways to make content comprehensible.

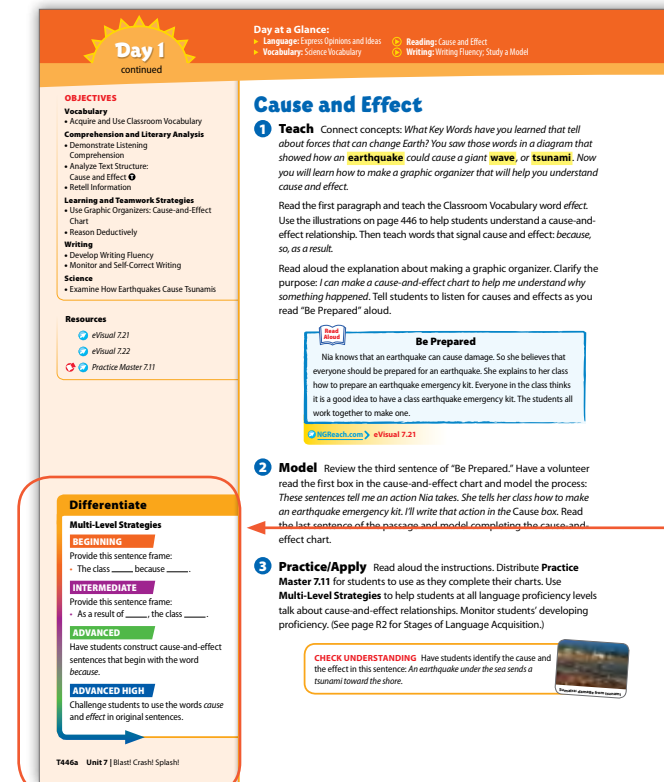


Level D Teacher's Edition



Level D Practice Master

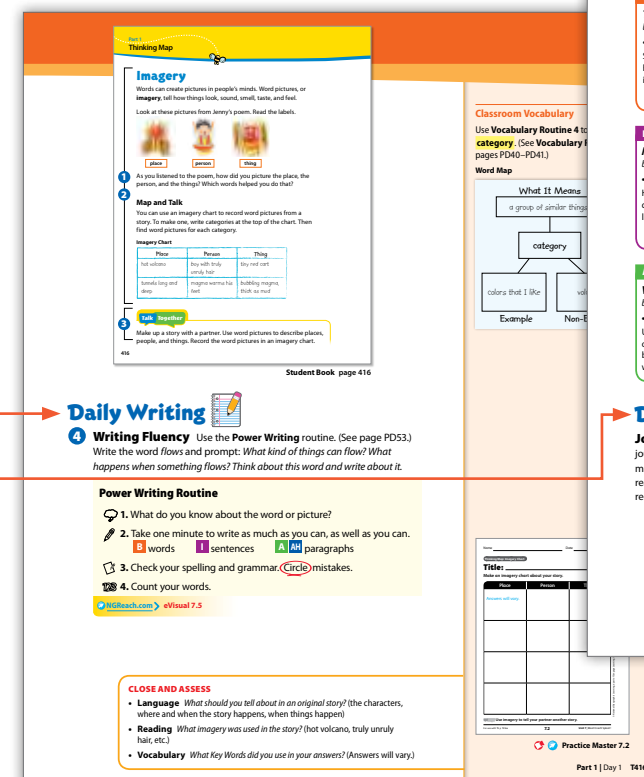
Differentiated Instruction



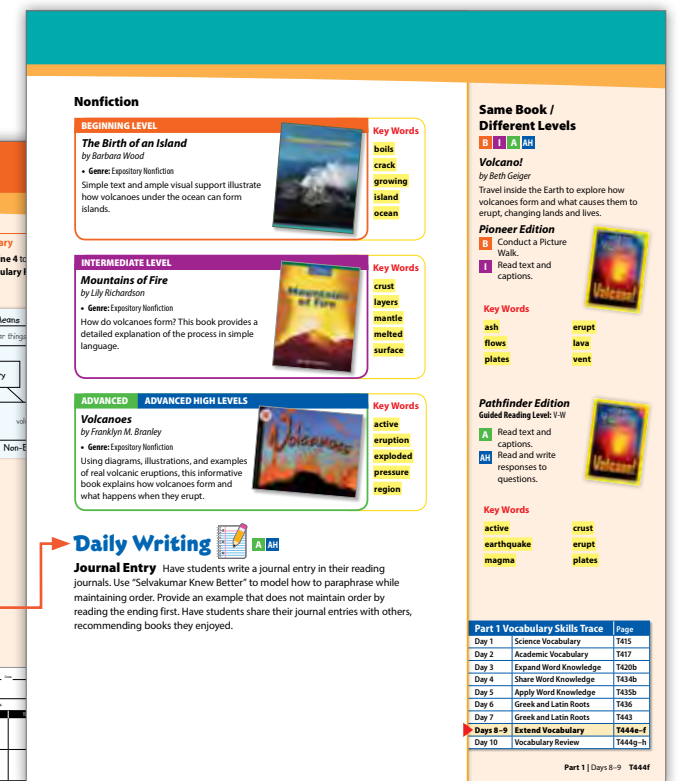
Level D Teacher's Edition

Daily Writing

Daily Writing
activities help
build students’
proficiency in
using language
for writing at all
levels, in both
whole group
and small group
settings



Level D Teacher's Edition

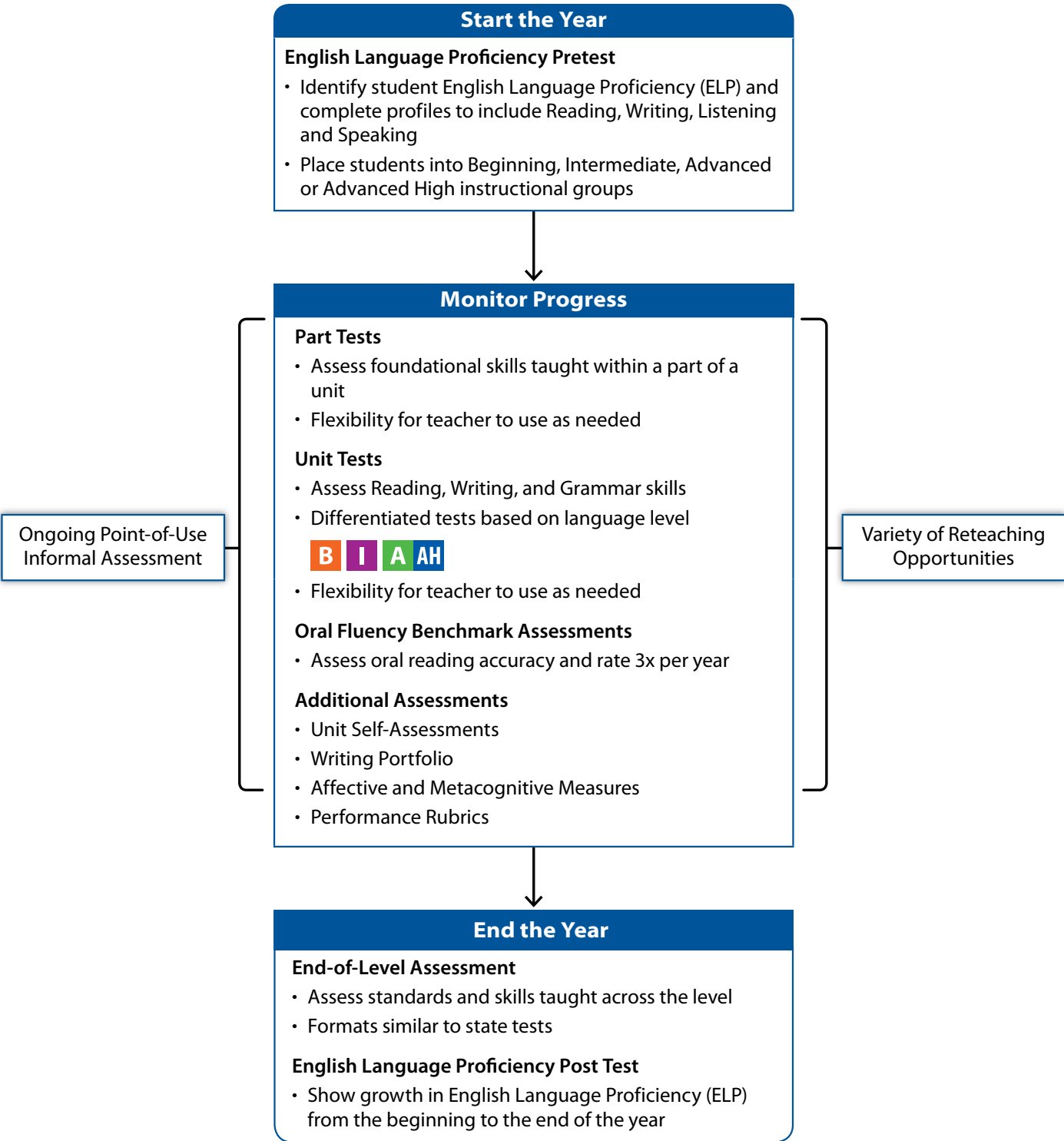


Level D Teacher's Edition

Assessment and Technology

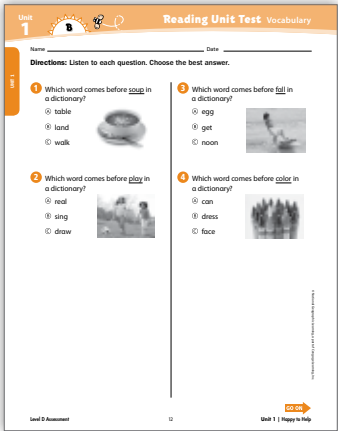
Multiple Measures to Assess Student Learning

A flexible set of assessments impacts student learning.

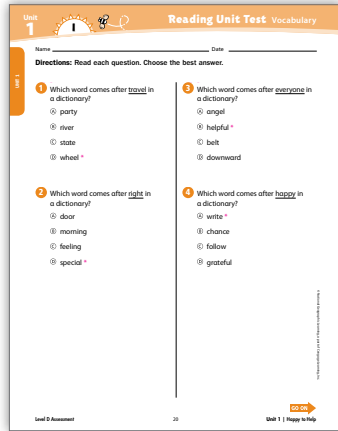


Multi-Level Assessments

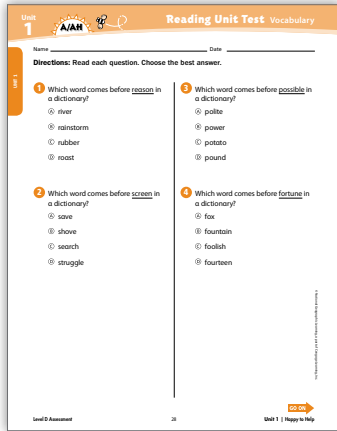
Differentiated assessments measure progress on skills and standards at students' appropriate language level.



Beginning Level Assessment



Intermediate Level Assessment



Advanced/Advanced High Level Assessment

Technology NGReach.com

Images and videos help students build background and context.

Reach into Learning

Multimedia resources empower students to reinforce and extend learning.



- My Vocabulary Notebook
- Vocabulary Games
- Personalized Dictionaries
- NG Digital Library
- Comprehension Coach

Recordings

- Song and Chant MP3s
- Selection Recordings MP3s
- Fluency Models MP3s



New Complex Texts for Close Reading!

Reach into Teaching

Flexible teaching resources easily adapt to meet your instructional priorities and requirements.



- Online Lesson Planner
- Teaching Resources
- Presentation Tool
- eEdition
- NG Digital Library
- eAssessment: Online Tests



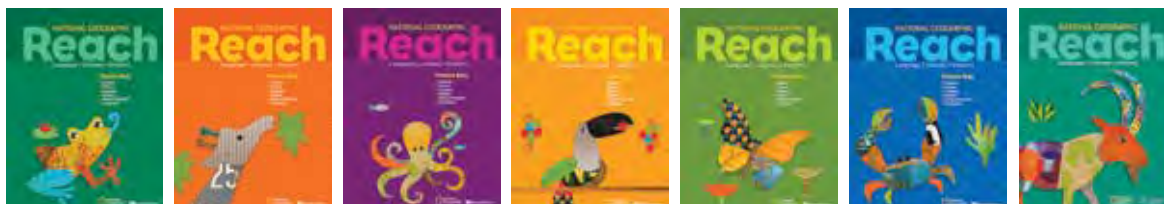
Reach for Success, Find it *Inside*, Get the *Edge*

The K–12 Solutions for ESL Classrooms

NATIONAL GEOGRAPHIC **Reach** Language • Literacy • Content

Elementary | Grades K–6

- Active learning
- Scaffolded instruction
- Instructional flexibility



INSIDE

Middle School | Grades 6–8

Move students to grade-level performance by bringing the world to the classroom

- Teach with new explorations and discovery
- Engage students with National Geographic exclusive content
- Achieve success with Common Core State Standards



EDGE Reading, Writing & Language

High School | Grades 9–12

Prepare all students for college and career success with dynamic National Geographic content and authentic multicultural literature

- Teach with relevant and motivating content
- Prepare students for Common Core State Standard success
- Utilize systematic and focused teaching materials



"National Geographic," "National Geographic Society" and the Yellow Border Design are registered trademarks of the National Geographic Society ® Marcas Registradas